

Executive Summary Report

SMOG CHECK Statewide

February 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	989,018	122,176	12.35%
Total	1,133,113	156,120	13.78%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	855,856	86.54%	133,162	13.46%
Total	961,907	84.89%	171,206	15.11%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	538,840	85.75%	89,527	14.25%
Total	613,816	84.51%	112,547	15.49%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,904	1.30%
All Emissions	58,472	5.91%
All Visual	16,671	1.69%
All Functional	77,080	7.79%
OBDII	53,030	5.36%
Overall	122,176	12.35%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	376,252	340,402
Directed Vehicles	252,115	198,438
Total	628,367	538,840

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	59,794	52,570
Directed Vehicles	20,915	15,524
Total	80,709	68,094

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,484	285	541	29	0	4,339
Test Only	2,639	49	26	1	0	2,715
Basic Area Dealer	0	1	103	0	0	104
Gold Shield	477	26	46	77	0	626
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	248	9	37	2	0	296
Unknown Type	1	0	0	0	0	1
Total	6,918	371	763	110	0	8,162

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	790,649	100,874	12.76%	10,370	1.31%
Partially Enhanced	52,131	7,163	13.74%	735	1.41%
Basic	88,273	8,555	9.69%	1,071	1.21%
Change of Ownership	6,417	895	13.95%	187	2.91%
No Program	6	1	16.67%	0	0.00%
Unknown Program	51,542	4,688	9.10%	541	1.05%
Total Program Area	989,018	122,176	12.35%	12,904	1.30%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	628,367	87,892	13.99%	9,517	1.51%
Regular	269,318	21,559	8.01%	1,962	0.73%
Basic Area Dealer	5,770	217	3.76%	23	0.40%
Gold Shield in Enhanced Area	61,572	9,532	15.48%	978	1.59%
Gold Shield in Basic Area	11,270	1,473	13.07%	201	1.78%
Gold Shield in COO Area	7,867	948	12.05%	159	2.02%
Business Fleet	7	1	14.29%	0	0.00%
Permanent Fleet Registered	25	2	8.00%	0	0.00%
Referee	433	201	46.42%	32	7.39%
Government Fleet	4,387	350	7.98%	32	0.73%
Unknown Privilege	2	1	50.00%	0	0.00%
Total	989,018	122,176	12.35%	12,904	1.30%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	876	230	26.26%	17.47%	7.19%	15.53%	8.56%	0.00%
MY-1977	1,245	383	30.76%	20.00%	7.31%	17.43%	9.72%	0.00%
MY-1978	1,391	416	29.91%	21.14%	8.48%	16.68%	8.55%	0.00%
MY-1979	1,541	437	28.36%	19.73%	7.92%	16.09%	8.44%	0.00%
MY-1980	956	276	28.87%	20.50%	10.04%	15.27%	8.68%	0.00%
MY-1981	1,012	331	32.71%	26.19%	9.09%	16.40%	10.08%	0.00%
MY-1982	1,185	372	31.39%	24.05%	9.79%	15.44%	9.28%	0.00%
MY-1983	1,592	499	31.34%	23.93%	9.11%	14.89%	8.10%	0.00%
MY-1984	3,025	1,028	33.98%	27.44%	10.61%	15.87%	7.57%	0.00%
MY-1985	3,953	1,292	32.68%	26.08%	9.54%	15.28%	7.03%	0.00%
MY-1986	5,479	1,767	32.25%	24.48%	8.49%	15.28%	7.06%	0.00%
MY-1987	6,428	2,041	31.75%	25.33%	7.58%	14.31%	6.18%	0.00%
MY-1988	7,881	2,471	31.35%	24.12%	7.36%	14.73%	6.01%	0.00%
MY-1989	11,011	3,179	28.87%	21.90%	5.89%	13.33%	5.17%	0.00%
MY-1990	14,112	4,109	29.12%	22.57%	5.85%	13.34%	4.46%	0.00%
MY-1991	16,540	4,552	27.52%	21.32%	5.48%	12.17%	4.30%	0.00%
MY-1992	17,786	5,071	28.51%	22.14%	5.40%	12.27%	4.03%	0.00%
MY-1993	21,565	6,432	29.83%	24.01%	4.80%	11.57%	4.17%	0.00%
MY-1994	27,776	7,396	26.63%	20.49%	3.65%	10.69%	3.90%	0.00%
MY-1995	30,680	7,899	25.75%	19.72%	3.46%	9.95%	3.51%	0.00%
MY-1996	39,058	7,468	19.12%	9.70%	1.33%	11.44%	2.32%	10.25%
MY-1997	39,906	7,700	19.30%	8.88%	1.56%	12.64%	2.30%	11.46%
MY-1998	56,698	7,865	13.87%	5.61%	1.01%	9.32%	1.76%	8.59%
MY-1999	51,537	6,989	13.56%	4.41%	0.75%	9.95%	1.77%	9.33%
MY-2000	92,828	9,154	9.86%	2.52%	0.47%	7.58%	1.24%	7.27%
MY-2001	52,595	7,236	13.76%	2.10%	0.38%	12.13%	1.28%	11.95%
MY-2002	100,151	8,333	8.32%	1.18%	0.22%	7.20%	0.91%	7.06%
MY-2003	47,527	4,523	9.52%	1.54%	0.31%	8.23%	1.12%	8.15%
MY-2004	113,605	5,484	4.83%	0.55%	0.12%	4.18%	0.51%	4.11%
MY-2005	41,636	2,411	5.79%	0.71%	0.12%	5.07%	0.62%	5.00%
MY-2006	122,592	3,768	3.07%	0.30%	0.06%	2.63%	0.34%	2.58%
MY-2007	17,849	460	2.58%	0.43%	0.06%	2.17%	0.25%	2.13%
MY-2008	17,965	374	2.08%	0.40%	0.04%	1.77%	0.15%	1.73%
MY-2009	5,146	80	1.55%	0.58%	0.02%	1.22%	0.21%	1.20%
MY-2010	7,096	67	0.94%	0.11%	0.03%	0.85%	0.03%	0.80%
MY-2011	5,487	69	1.26%	0.16%	0.02%	1.08%	0.05%	1.00%
MY-2012	1,307	14	1.07%	0.31%	0.00%	0.84%	0.23%	0.84%
All Model Years	989,018	122,176	12.35%	5.91%	1.30%	7.79%	1.69%	5.36%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	445
Certificate of Non Compliance	0
Parts Cost	190
Hardship Extensions	0
Exempt Vehicle	36
Exempted by Directive	4
Parts Exemption	14
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	689

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,065
Stations Locked-Out at Least Once	968
Stations Conducted at Least One Test	7,097

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,078	5,821
EA	Gas Endorsement	9	0
EB	Both Endorsement	43	0
EB	Gas Endorsement	456	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	533,604	47.13	79,084	48.05	612,688	47.25
Test and Repair	168,601	47.15	91,140	46.27	259,741	46.84
Test and Repair Dealer	47	65.98	5,324	52.83	5,371	52.94
Referee	188	30.00	64	30.00	252	30.00
Gold Shield in Enhanced Area	51,601	46.30	8,514	47.82	60,115	46.52
Gold Shield in Basic Area	569	58.30	10,354	38.82	10,923	39.84
Gold Shield in COO Area	1,823	53.17	5,735	49.13	7,558	50.10

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	4,754	23.15	17,904	275.43
	\$51-150	3,522	99.89		
	\$151-250	2,713	201.57		
	\$251-450	3,652	339.47		
	Over \$450	3,263	822.21		
CAP Repairs	\$1-50	77	23.45	2,614	427.93
	\$51-150	137	108.51		
	\$151-250	211	209.48		
	\$251-450	688	361.38		
	Over \$450	1,501	539.04		
Total Repairs	\$1-50	3,876	23.47	18,605	325.18
	\$51-150	3,300	100.31		
	\$151-250	2,706	202.02		
	\$251-450	4,055	342.27		
	Over \$450	4,668	791.20		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,439	427.93

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	8	6	1	0	2	4	2	1
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	2	0	0	2	2	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	72	6	1	0	2	3	4	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	69	11	1	0	5	6	6	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	4	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	8	6	0	1	2	3	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	379	66	7	9	17	39	26	19
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,265	218	19	15	97	100	133	39
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	38,067	7,582	748	499	3,247	3,613	4,751	1,128
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	90	4	0	61	24	68	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	110	126	18	45	32	61	73	58
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	118,214	9,643	704	667	5,548	3,331	6,979	1,200
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	429,121	75,877	8,190	4,870	29,625	40,404	45,150	10,050
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	1	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	87	27	1	1	13	14	15	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	216	43	4	2	22	22	27	4
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,139	670	76	43	284	329	420	90
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	9	11	2	7	1	4	5	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	20,672	3,335	318	203	1,342	1,668	1,995	402
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,860	2,539	268	165	964	1,332	1,474	337
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	2	3	1	0	0	3	0	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	60	10	1	1	6	4	7	2
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,542	278	32	17	136	128	195	47
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	222	25	1	46	165	66	5
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	10	12	1	4	3	4	7	6
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	13,607	1,035	99	74	509	481	656	145
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,956	2,149	263	186	982	1,046	1,402	340
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	0	1	0	0	0	1	1	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,810	1,178	169	101	526	366	833	218
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	246	34	5	3	17	14	25	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,364	238	36	29	114	63	170	50
Two Speed Idle (TSI)	Basic	Government Fleet	0	7	1	0	6	1	6	0
Two Speed Idle (TSI)	Basic	Referee	12	21	4	9	4	6	13	16
Two Speed Idle (TSI)	Basic	Test and Repair	50,610	5,172	614	342	2,415	1,471	3,788	778
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,826	172	22	10	90	42	128	22
Two Speed Idle (TSI)	Basic	Test Only	11,249	1,529	215	132	701	480	1,080	258
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	57	14	3	0	3	7	11	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,175	392	86	19	141	173	256	43
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	132	19	5	3	6	8	16	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,750	257	44	28	123	88	192	43
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,099	192	48	14	65	80	130	41
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	640	81	10	8	36	27	55	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,138	95	19	4	46	39	58	13
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,430	569	63	40	366	130	446	85
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	22	2	0	13	7	15	0
Two Speed Idle (TSI)	Enhanced	Referee	21	16	3	6	6	6	8	7
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,971	1,170	98	73	826	211	959	125

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	565	20	0	1	17	1	18	3
Two Speed Idle (TSI)	Enhanced	Test Only	55,418	4,718	485	282	3,109	997	3,701	541
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	56	3	0	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	82	10	1	0	4	4	5	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	338	54	11	2	27	19	38	5
Two Speed Idle (TSI)	Partial	Test and Repair	2,598	232	34	15	127	61	170	39
Two Speed Idle (TSI)	Partial	Test Only	1,528	165	20	6	110	39	132	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	355	69	10	5	25	26	48	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,351	132	24	8	69	43	95	23
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	338	38	6	0	23	12	29	2
Two Speed Idle (TSI)	Unknown Program	Referee	14	3	2	1	1	2	3	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,374	387	49	30	238	98	308	57
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	528	13	1	1	9	1	11	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,926	282	27	26	175	57	216	39
UnKnown TestType	Basic	Gold Shield in Basic Area	261	28	0	3	23	28	23	6
UnKnown TestType	Basic	Gold Shield in COO Area	26	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	75	6	0	0	6	6	6	0
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	6	0	0
UnKnown TestType	Basic	Test and Repair	2,176	110	0	17	77	128	77	37
UnKnown TestType	Basic	Test and Repair Dealer	324	9	0	3	5	11	5	4
UnKnown TestType	Basic	Test Only	336	25	0	4	18	25	18	8
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	6	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	81	3	0	0	3	3	3	0
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	7	2	0	0	1	2	1	1
UnKnown TestType	Change of Ownership	Test and Repair	58	4	0	1	3	6	3	1
UnKnown TestType	Change of Ownership	Test Only	40	2	0	0	2	2	2	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	26	2	0	0	2	2	2	0
UnKnown TestType	Enhanced	Gold Shield in COO Area	62	8	0	1	6	11	6	2
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	945	58	0	5	44	64	44	17

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Enhanced	Government Fleet	0	2	0	0	2	37	2	0
UnKnown TestType	Enhanced	Referee	15	5	0	3	1	5	1	5
UnKnown TestType	Enhanced	Test and Repair	3,541	144	0	22	106	181	106	44
UnKnown TestType	Enhanced	Test and Repair Dealer	25	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Test Only	6,221	358	0	72	257	384	257	132
UnKnown TestType	Partial	Gold Shield in COO Area	30	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	135	10	0	2	7	10	7	5
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	3	0	0
UnKnown TestType	Partial	Test and Repair	1,034	42	0	7	32	50	32	12
UnKnown TestType	Partial	Test Only	512	17	0	4	11	17	11	6
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	15	1	0	0	0	2	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	91	1	0	0	0	3	0	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	49	2	0	0	1	3	1	2
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	12	0	0
UnKnown TestType	Unknown Program	Referee	25	3	0	2	0	3	0	3
UnKnown TestType	Unknown Program	Test and Repair	533	20	0	5	10	45	10	10
UnKnown TestType	Unknown Program	Test Only	494	22	0	5	15	44	15	7